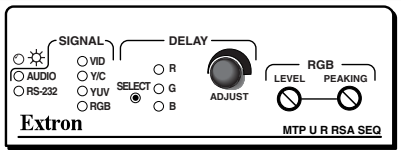
Setup Guide — MTP U R Series

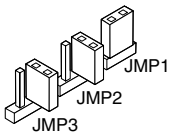


IMPORTANT:
Refer to www.extron.com for the user manual and installation instructions before connecting the product to the power supply.

This card provides quick start instructions for an experienced installer to set up and operate any of the MTP U R Series products.

Pre-installation — Jumper settings

The MTP U R has three jumpers located on the main board. JMP1 is RS-232 directional communication, and JMP2 and JMP3 is for vertical and horizontal sync (respectively). By default JMP1 is bidirectional; JMP2 and JMP3 are negative sync.



Default settings (viewed from rear)

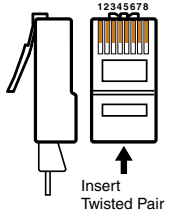
Installation

Step 1 — Mounting

Turn off or disconnect all equipment power sources and mount the MTP U R as required.

Step 2 — Connect input

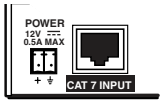
Connect the RJ-45 cable from an MTP transmitter to the Input port on the MTP U R.
Terminate the cable as shown on the right, using the same standard (A or B) at both ends.



Pin	T568A Wire color	T568B Wire color
1	White-green	White-orange
2	Green	Orange
3	White-orange	White-green
4	Blue	Blue
5	White-blue	White-blue
6	Orange	Green
7	White-brown	White-brown
8	Brown	Brown

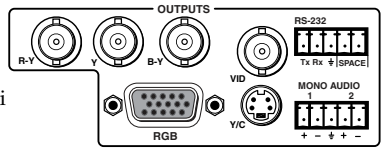
NOTE *If you are using Enhanced Skew-Free™ A/V cable, use the TIA/EIA T568A standard only.*

NOTE *If the input is labeled "CAT 7 Input", only a CAT 7 cable should be used (e.g. MTP C7 U R RSA SEQ model).*



Step 3 — Connect outputs

Attach the applicable output cables (video, audio, and RS-232), depending on the MTP U R model used.



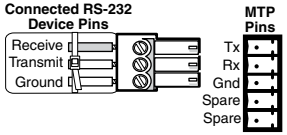
a. Composite video output connector — Connect to the single female BNC connector (VID) .

b. S-video output connector — Connect to the 4-pin mini DIN connector (Y/C).

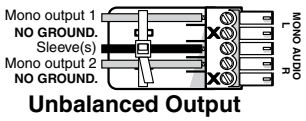
c. Component video (MTP U R RSA SEQ model only) — Connect to the three female BNC connectors (Y, R-Y, and B-Y).

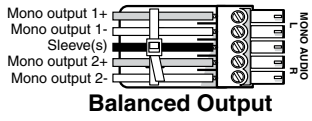
d. High resolution video output connector — Connect to the 15-pin HD connector (RGB).

e. RS-232 connector — Connect a serial communications port to the upper 3.5 mm, 5-pole captive screw connector for bidirectional RS-232 communication (as shown).



f. Audio connector (MTP U R RSA SEQ and MTP U R A models only) — Connect a suitable audio device to the lower 5-pole captive screw connector for mono audio output (as shown).



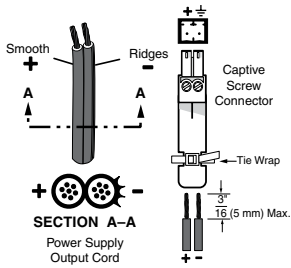


(Continued on reverse side)

Setup Guide — MTP U R Series, cont'd

Step 4 — Power

Plug the included external 12 VDC power supply into the 2-pole captive screw connector. Wire the connector as shown.



Step 5 — Input signal detection

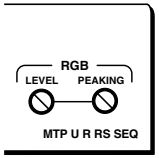
Check the displayed output is correct. The MTP U R detects the input signal format, indicated by the front panel LED's (VID, Y/C, YUV, RGB), and differentiates between RS-232 and audio signals. The output is then made on the appropriate connector and all other outputs are muted.

Step 6 — Peaking and Level

Image sharpness is adjusted with the **Peaking Control**. Increased peaking compensates for mid- and high-frequency detail loss. Minimum setting (full counterclockwise) is zero peaking.

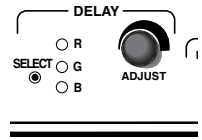
Image brightness is adjusted using the **Level Control.**

View the image and adjust the either control for the best image quality.



Step 7 — Skew compensation

Pair skew can be measured with test equipment or by viewing a crosshatch test pattern. The SEQ receivers have built-in skew compensation capabilities. Adjust the equalization as follows:



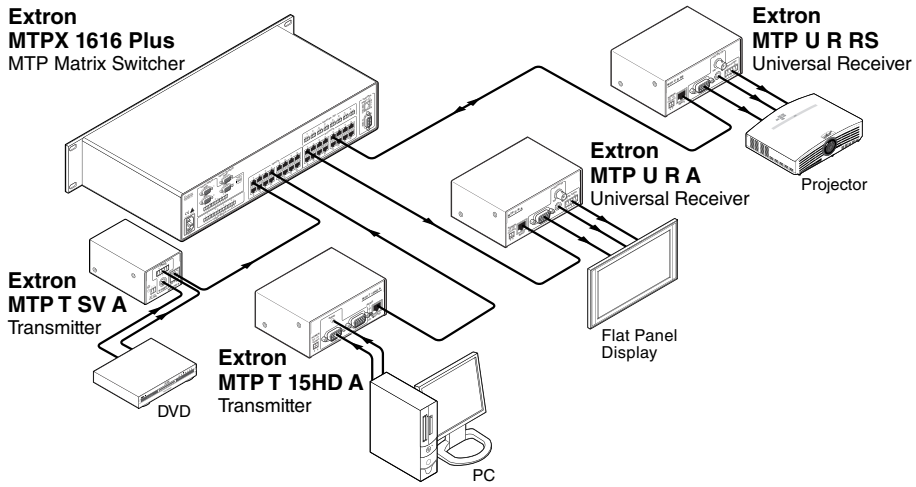
a. Zero the skew delay for red, green, and blue by using a Tweeker or small screwdriver to press and **hold** the Select button for 3 seconds. When the Red, Green, and Blue LED's all go out, release the Select button.

b. Use UTP cable test equipment or examine the displayed image to **determine which video signal**, red, green, or blue, **is shifted furthest to the right**.

c. Adjust the furthest left video signal by using a Tweeker or screwdriver to press and release the Select button until the LED for the left-shifted color lights.

d. ***Slowly*** rotate the Adjust control clockwise until the shifted color is properly aligned.

e. Repeat steps **7c** and **7d** to align the third color if needed**.**



Example of a typical MTP U R application

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